

WHAT IS CLAIMED IS:

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1. A printer containing a print head, which ejects ink drops from nozzles by heating ink with heating elements, the print head being manufactured by a manufacturing method comprising the steps of:

forming projecting objects having the same shape as hollow parts corresponding to at least ink cells and the nozzles on a substrate, on which the heating elements are disposed, at positions above the heating elements;

applying a setting resin on the substrate on which the projecting objects are formed, the thickness of the setting resin being determined such that tip portions of the projecting objects which correspond to the nozzles project from the setting resin and that portions of the projecting objects which correspond to the ink cells are covered by the setting resin;

setting the setting resin; and  
removing the projecting objects.

2. A printer according to Claim 1, wherein the projecting objects are formed by the steps of:

forming a layer of a photosensitive material on the substrate; and

exposing and developing the layer of the photosensitive

material.

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3. A printer according to Claim 2, wherein, in the step of exposing the layer of the photosensitive material, exposure of regions corresponding to the ink cells is performed separately from exposure of regions corresponding to the nozzles.

4. A print head which ejects ink drops from nozzles by heating ink with heating elements, the print head being manufactured by a manufacturing method comprising the steps of:

forming projecting objects having the same shape as hollow parts corresponding to at least ink cells and the nozzles on a substrate, on which the heating elements are disposed, at positions above the heating elements;

applying a setting resin on the substrate on which the projecting objects are formed, the thickness of the setting resin being determined such that tip portions of the projecting objects which correspond to the nozzles project from the setting resin and that portions of the projecting objects which correspond to the ink cells are covered by the setting resin;

setting the setting resin; and  
removing the projecting objects.

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5. A print head according to Claim 4, wherein the projecting objects are formed by the steps of:

forming a layer of a photosensitive material on the substrate; and

exposing and developing the layer of the photosensitive material.

6. A print head according to Claim 5, wherein, in the step of exposing the layer of the photosensitive material, exposure of regions corresponding to the ink cells is performed separately from exposure of regions corresponding to the nozzles.

7. A manufacturing method for a print head which ejects ink drops from nozzles by heating ink with heating elements, comprising the steps of:

forming projecting objects having the same shape as hollow parts corresponding to at least ink cells and the nozzles on a substrate, on which the heating elements are disposed, at positions above the heating elements;

applying a setting resin on the substrate on which the projecting objects are formed, the thickness of the setting resin being determined such that tip portions of the projecting objects which correspond to the nozzles project

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from the setting resin and that portions of the projecting  
objects which correspond to the ink cells are covered by the  
setting resin;

setting the setting resin; and  
removing the projecting objects.

8. A manufacturing method for the print head according  
to Claim 7, wherein the step of forming the projecting  
objects comprises the steps of:

forming a layer of a photosensitive material on the  
substrate;

exposing the layer of the photosensitive material; and  
developing the layer of the photosensitive material so  
that the projecting objects remain.

9. A manufacturing method for the print head according  
to Claim 8, wherein the step of exposing the layer of the  
photosensitive material comprises:

a first step in which regions corresponding to the ink  
cells are exposed; and

a second step in which regions corresponding to the  
nozzles are exposed.

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